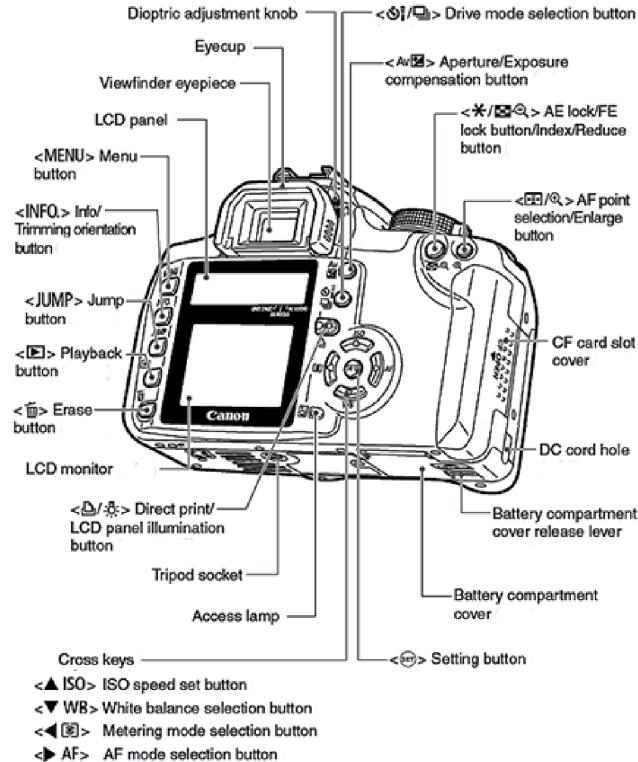
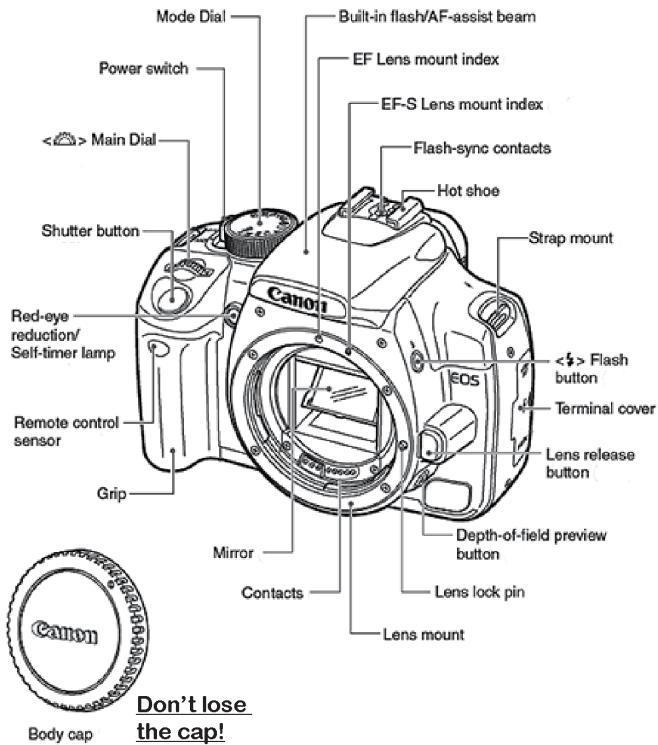


Media Loan Operating Guides are also available online at [www.evergreen.edu/medi/ml/handouts.htm](http://www.evergreen.edu/medi/ml/handouts.htm).



## CARING FOR MEDIA LOAN EQUIPMENT

Media Loan has a limited number of Canon Rebel XTs. We appreciate your help in caring for this item to insure it's long-term use at Evergreen.

## GENERAL CAMERA CARE

Do NOT:

- ✗ Drop this camera
- ✗ Submerge this camera in water
- ✗ Leave this camera near a strong magnetic field!
- ✗ Leave this camera in excessive heat, such as a car
- ✗ Store this camera in excessive cold
- ✗ Use a blow dryer to blow dust from the camera
- ✗ Store this camera in a location where there may be corrosive chemicals
- ✗ Use excessive physical force

Please be gentle with this camera; it looks hardy, but it's delicate!

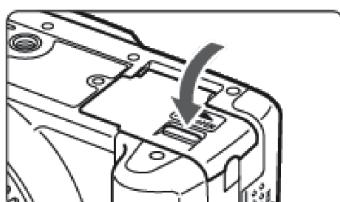
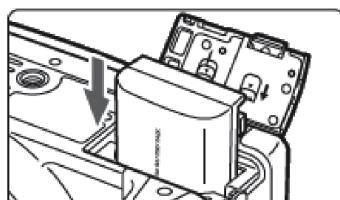
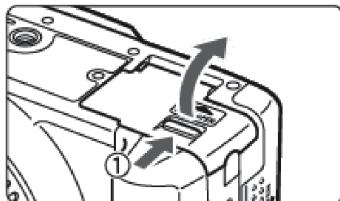
## INCLUDED WITH THE REBELS:

Battery, Battery Charger, USB Cable, Video Cable, Wired Remote, 18-55mm Lens, Built-In Flash, Using the Canon Rebel XT.

## INSTALLING & REMOVING BATTERY

To open the battery compartment, slide the compartment lever in the direction of the back of the camera as shown by the arrow. Insert the battery with the power contacts pointed downward until the battery locks into place. Close the cover and slide the lever back in place as indicated by the arrow until it snaps shut.

**① Do not charge the battery for 24 hours or more!**



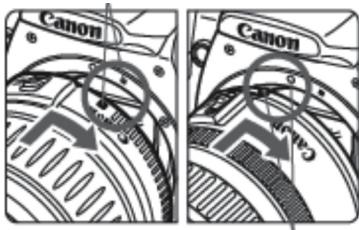
## ABOUT THE BATTERY'S LIFE

When the camera is ON, the battery level will be indicated in 1 of 3 levels:

-  Battery level is OK
-  Battery level is low
-  Battery must be recharged

**① Tip:** To save battery power, you may set the Auto-off function of the menu to turn the camera off automatically.

## ATTACHING & DETACHING LENS



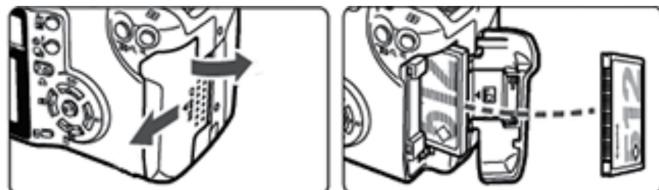
lens clicks into place. When attaching a lens other than an EF-S lens, align the lens with the red EF lens index mark.

To detach the lens, while pressing the lens release button, turn the lens in a counter-clockwise direction. Turn the lens until it stops, then detach it. When attaching or detaching the lens, take care to prevent dust from entering the camera through the lens mount.

Currently, Media Loan carries a limited number of 55-200mm telephoto lenses. **Please do not remove the current lens provided with the Canon Rebel XT, unless you are changing for this lens.** Removing the lens can cause debris to get inside the camera making the camera highly susceptible to serious damage. If the lens is removed, avoid putting your fingers inside the camera. If the mirror, or any other part of the inside of this camera gets dirty, please bring it back to Media Loan so that a qualified staff member can service the camera.

## INSTALLING & REMOVING CF CARD

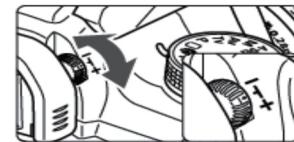
To insert the CF Card open the compartment cover. Insert the CF Card until the CF Card's eject button pops up. Close the cover and slide it back in place as indicated by the arrow until the cover snaps shut.



 Unless you plan to put the CF card into a card reader, please do not remove it. Do not bend the card or put the card into the card slot backwards.

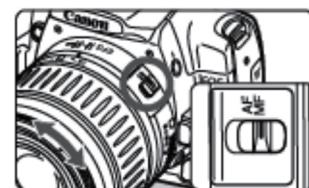
## DIOPTRIC ADJUSTMENT

Turn the dioptric adjustment knob left or right until the AF points in the viewfinder look sharp. By adjusting the diopter to suit your eyesight, you can see a sharp viewfinder image even without eyeglasses.



## MANUAL FOCUSING

Set the lens focus mode switch to MF and focus the subject by turning the lens focusing ring.



If you press the shutter button halfway during manual focusing, the AF point(s) achieving focus and the confirmation light in the viewfinder will light when focus is achieved.

## AUTO-FOCUSING

**① Tip:** If you are only planning to use the Full Auto mode, we recommend that you check out our Canon Powershot digital cameras or a similar item.



On the lens, set the focus mode to AF. If the lens is set to MF, auto-focus will not be possible.

Setting the mode dial to Full Auto will set the following:

- The AF mode will set to AI Focus AF\*.
- The drive mode will set to Single Shooting.
- The Metering Mode will set to Evaluate Metering.

\*AI Focus AF will automatically change to AI Servo AF to track a subject that's moving.

Auto-Focus can fail to achieve focus (the focus confirmation light blinks) with certain subjects such as the following:

- Low-contrast subjects.
- Solid-color walls.
- Subject in low light.
- Extremely backlit and reflective subjects, e.g. reflection from car window.
- Overlapping near and far objects, e.g. animal in a cage.
- Repetitive patterns, e.g. skyscraper windows.

## SELECTING THE METERING MODE

The camera has three metering modes; Evaluate, Partial and Center-weighted average metering.

**Evaluate Metering** is the camera's standard metering mode suited for most subjects even under backlit conditions. During manual focusing, evaluative metering is based on the center AF point.

**Partial Metering** is effective when the background is much brighter than the subject due to backlighting.

**Center-weighted Average Metering** is weighted at the center and then averaged for the entire scene.

## SELECTING THE DRIVE MODE

Look at the LCD panel and press the   button to select mode.

**Single shooting** - When you press the shutter button completely, one shot will be taken.

**Continuous Shooting** - While you press the shutter button completely, shots will be taken continuously according to speed allowed by current settings.

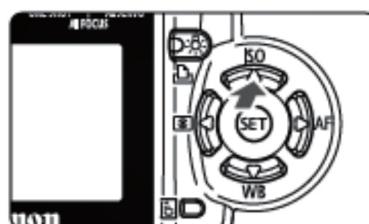
 **Self Timer/Remote Control** - Press the shutter button completely, a beeper will sound, the self-timer lamp will start blinking and the shot will be taken about 10 sec. later.

## SETTING THE WHITE BALANCE

Normally, the white balance is set automatically, but if natural-looking colors cannot be obtained, you can set the white balance manually to suit the respective light source. Please be considerate of other users and return the white balance setting back to automatic (AWB).

## SETTING THE ISO SPEED

The ISO speed is set automatically within ISO 100-400. You can set the ISO speed to [100] [200] [400] [800] [1600] only in creative modes.

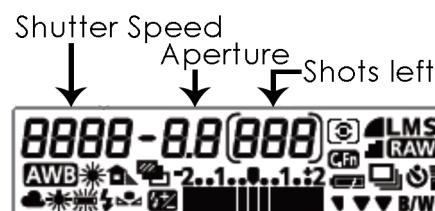
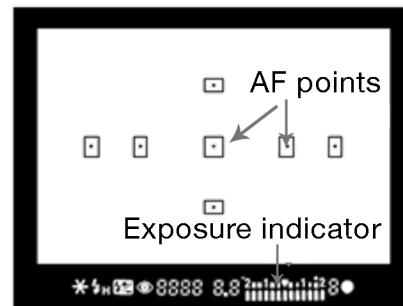


**Tip:** At higher ISO speeds and higher ambient temperatures, the image will look more grainy. Also, high temperatures, high ISO speeds, or long exposures may cause irregular colors in the image.

## BLACK-AND-WHITE SHOOTING

A black-and-white option is available in the parameter settings. Press Menu, Jump (to get to the second little camera), scroll to Parameters and Set then toggle the arrow from Set 1 to BW.

## VIEWFINDER INFORMATION



## ADVANCED OPERATIONS

With the Creative Zone modes, you can set the desired shutter speed or aperture value depending which mode is currently selected.

**P** - Program Auto Exposure is a general purpose shooting mode. The camera automatically sets the shutter speed and aperture value to suit the subject's brightness.

**Tv** - Shutter-priority AE is used to set the shutter speed. The camera will automatically set the aperture value to suit the subject's brightness. Turn the shutter dial to change priority settings. A faster shutter speed can freeze the motion of a fast-moving subject.

**Av** - Aperture-priority AE lets you set the desired aperture and the camera sets the shutter speed automatically to suit the subject brightness.

**M** - Manual Exposure lets you manually set both the shutter speed and aperture value as desired, use Av +/- button to toggle between settings.

**A-Dep** - Automatic Depth-of-Field AE is used to obtain a wide depth of field automatically between a near subject and far subject. It is effective for group photos or landscapes.

## IMAGE-RECORDING QUALITY SETTINGS

| Image-recording Quality  | Image Type (extension)  | Pixels                             | Print Size           |   |
|--|---|------------------------------------|----------------------|---|
|  <b>L</b> (Large Fine)    |  JPEG (.JPG) | 3456 X 2304 (Approx. 8 million)    | <b>A3 or larger</b>  | <i>The 'A' series of paper sizes ranges from 2A0 (the largest) to A7 (the smallest). The size of the paper goes down as the number goes up. A4 is slightly larger than standard 8.5 x 11 paper size. A5 is half the size of A4.</i> |
|  <b>L</b> (Large Normal)  |   | 2496 X 1664 (Approx. 4.15 million) | <b>A5 - A4</b>       |   |
|  <b>M</b> (Medium Fine)   |   | 1728 X 1152 (Approx. 2 million)    | <b>A5 or smaller</b> |   |
|  <b>M</b> (Medium Normal) |   | 3456 X 2304 (Approx. 8 million)    | <b>A3 or larger</b>  |   |
|  <b>S</b> (Small Fine)    |   | 3456 X 2304 (Approx. 8 million)    | <b>A3 or larger</b>  |   |
|  <b>S</b> (Small Normal)  |   | 3456 X 2304 (Approx. 8 million)    | <b>A3 or larger</b>  |   |

## IMAGE FILE SIZE &amp; CF CARD CAPACITY

| Image Recording Quality   | Image File Size (Approx. MB) | Possible Shots |
|---|------------------------------|----------------|
|  <b>L</b>                | 3.3                          | 145            |
|  <b>L</b>                | 1.7                          | 279            |
|  <b>M</b>               | 2.0                          | 245            |
|  <b>M</b>              | 1.0                          | 466            |
|  <b>S</b>              | 1.2                          | 419            |
|  <b>S</b>              | 0.6                          | 790            |
| <b>RAW</b> +  <b>L</b> | -                            | 41             |
| <b>RAW</b>  | 8.3                          | 58             |

**Tip:** The RAW file setting assumes that the image will undergo post-processing with a personal computer. Special software such as Adobe Bridge or Photoshop is required to view the images or edit them for printing. Try and test before assuming your setup will work for major projects.

## DISPLAYING THE IMAGES ON A TV

Connect the camera to the TV.

- Open the camera's terminal cover.
- Use the video cable to connect the camera's video out terminal to the TV monitor's VIDEO IN terminal.
- Turn on the TV and switch the TV's line input to Video IN.
- Turn the power switch to ON
- Press the PLAY button on camera back.
- The image will appear on the TV screen. (The camera's LCD monitor will display nothing.)
- After you finish set the power switch to OFF, turn off the TV and disconnect the cable.

TRANSFERRING IMAGES TO A COMPUTER  
(Using Windows Vista, XP or Mac OSX (v 10.3/10.4)

- Plug camera USB cable into Camera USB port.
- Plug other end of cable into an available USB port.
- Turn camera on and wait follow on-screen prompts.

**Note:** It may take a few minutes for the initial install before you can transfer your photos.

## DISCONNECTING THE CAMERA

Make sure no information is being transferred (Red light is not flashing and LCD does not display "BUSY"). Then unplug the USB cable and turn off the camera.

**Please note:** For some older versions of Mac OS you must unmount the camera drive by dragging it to the trash bin before disconnecting the USB cable or turning the camera off.

## TROUBLE SHOOTING

This is to help you navigate through error messages and simple problems.

Remember, never try to force the camera! If this guide does not help you with your problem, please return the camera to Media Loan and describe the issue to a staff member.

**Only the  icon blinks on the top of LCD panel**

- The battery is almost exhausted.

**No images can be shot nor recorded**

- The CF card is not properly inserted.
- The CF card is full.
- The battery is exhausted.
- You did not focus perfectly (When focused, the focus confirmation light in the viewfinder blinks).
- Settings are incorrect for exposure.

**The LCD panel does not display a clear image**

- Bring camera back to Media Loan for servicing.

**The image is out of focus**

- The Lens focus mode switch is set to MF (manual).
- The camera was shaken when the picture was taken or shutter speed was not fast enough for hand held shooting.

**Images cannot be printed**

- The camera is not properly connected to the printer.
- The printer is not turned on.

| Error Code | Counter-measures   |
|------------|--|
| Err CF     | This indicates that a problem with the CF card is preventing images from being recorded or read. If this happens and you don't have your own CF card to use, please bring the camera back to Media Loan so the camera can be serviced. |
| Err 01     | Communication between the camera and lens is faulty.   |
| Err 02     | There is a problem with the CF card. Try the following: Remove and reinsert the CF card. Format the CF card. Or, use a different CF card.  |
| Err 04     | The CF card is full. Erase unnecessary images on the card or replace the CF card.  |
| Err 05     | Something obstructed the built-in flash's automatic pop-up operation. Turn the power switch to OFF and ON again.   |
| Err 99     | An error other than the above has occurred. Remove and re-install the battery. This error may occur if you use a non-Canon lens and the camera or lens does not operate properly as a result.  |

## PROFICIENCY QUESTIONS

### WRITTEN TEST:

Complete this written portion on a separate sheet of paper before arriving for your operational proficiency.

1. How do you set the shutter speed and where will you view the shutter speed settings?
2. How do you connect the camera to a power outlet?
3. What creative zone settings should you use to set the aperture?
4. When setting the Mode Dial to Full Auto, what three modes are set?
5. How do you shoot black & white?
6. When should you change the white balance settings; and with regards to this, what should you remember when returning the camera to Media Loan?
7. What should you do if the LCD panel does not display a clear image?
8. Name three things that might permanently damage this camera.
9. If you check out a camera and it is lost, stolen or damaged, who is 100% responsible for the replacement costs of it?

### OPERATIONAL PROFICIENCY:

To be done during your scheduled proficiency.

- A. Remove the camera from the case and identify all controls and parts.
- B. Correctly identify the CF memory card.
- D. Set camera on tripod correctly and use the camera to record a couple of still images.
- E. Playback the still images.
- F. Describe the use of the menu button.
- G. Set camera to manual focusing.
- H. Demonstrate how to change the image size.
- I. Set up a battery to be charged.
- J. Pack the camera back in its case.